

EMS 221

Cardiac & Trauma Lab

1 Credit Hours  
45 Clock Hours

Course Description:

Designed to encourage both an individual and group approach to simulated patient care in the laboratory setting. Includes fundamental skill sets and the addition of cardiovascular and trauma emergency patient care and management.

Upon completion of this course, the student can:

1. Convert acquired academic knowledge into simulated practice to perform scene and patient assessment.
2. Compile sufficient information during scene survey and history taking to develop an appropriate plan of care and transport decision.
3. Communicate effectively with the healthcare team, patient, family, and community as a member and/or team-leader.
4. Exercise sufficient judgment and accept responsibility in therapeutic procedures based on knowledge of anatomy, physiology, and paramedic theory to care for cardiac and traumatic emergencies.
5. Incorporate standard precautions in all aspects of patient assessment and management.
6. Establish and maintain patent airway using basic and advanced techniques.
7. Establish and maintain IV access and fluid therapy.
8. Calculate drug dosages and correctly administer medications by various routes.
9. Manage patients requiring cardiovascular support including EKG, cardioversion, defibrillation, and external pacing.
10. Evaluate and manage patients suffering all forms of trauma and shock.
11. Demonstrate competence during patient care skills through safe practice in the use of equipment.
12. Recognize the necessity of modifying therapeutic procedures based on patient's response.
13. Complete accurately all patient health records.
14. Relate patient information to appropriate personnel via simulated communications.